

1954-2508450

FIG. 1A

Consensus Sequence

Symbol comparison table: blosu62.cmp CompCheck: 6430

Name: hTRADEalpha\_1 Len: 423 Check: 4050 Weight: 1.00  
Name: hRAIN\_1 Len: 423 Check: 4128 Weight: 1.00  
Name: hTRADEbeta\_1 Len: 423 Check: 7937 Weight: 1.00  
Name: hApo420pep Len: 423 Check: 8173 Weight: 1.00

//

1 50

hTRADEalpha\_1 MALKVLLLEQE KTFFTLLVLL GYLSCKVTCE SGDCRQOEFR DRSGNCVPCN  
hRAIN\_1 MALKVLLLEQE KTFFTLLVLL GYLSCKVTCE SGDCRQOEFR DRSGNCVPCN  
hTRADEbeta\_1 MALKVLLLEQE KTFFTLLVLL GYLSCKVTCE TGDCRQOEFR DRSGNCVPCN  
hApo420pep MALKVLLLEQE KTFFTLLVLL GYLSCKVTCE SGDCRQOEFR DRSGNCVPCN  
Consensus MALKVLLLEQE KTFFTLLVLL GYLSCKVTCE SGDCRQOEFR DRSGNCVPCN

51 100

hTRADEalpha\_1 QCGPGMELSK ECGFGYGEDA QCVTCRLHRF KEDWGFQKCK PCLDCAVVR  
hRAIN\_1 QCGPGMELSK ECGFGYGEDA QCVTCRLHRF KEDWGFQKCK PCLDCAVVR  
hTRADEbeta\_1 QCGPGMELSK ECGFGYGEDA QCVTCRLHRF KEDWGFQKCK PCLDCAVVR  
hApo420pep QCGPGMELSK ECGFGYGEDA QCVTCRLHRF KEDWGFQKCK PCLDCAVVR  
Consensus QCGPGMELSK ECGFGYGEDA QCVTCRLHRF KEDWGFQKCK PCLDCAVVR

101 150

hTRADEalpha\_1 FQKANCATS DAICGDCCLPG FYRKTCLVGF QDMECVPCGD PPPPYEPHCA  
hRAIN\_1 FQKANCATS DAICGDCCLPG FYRKTCLVGF QDMECVPCGD PPPPYEPHCA  
hTRADEbeta\_1 FQKANCATS DAICGDCCLPG FYRKTCLVGF QDMECVPCGD PPPPYEPHCA  
hApo420pep FQKANCATS DAICGDCCLPG FYRKTCLVGF QDMECVPCGD PPPPYEPHCA  
Consensus FQKANCATS DAICGDCCLPG FYRKTCLVGF QDMECVPCGD PPPPYEPHCA





APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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## FIG. 1C

hTRADEalpha_	301	CGEFSDAWPL	350	CGEFSDAWPL	WQNPWGGDNI	SFCDSPYPELT	GEDIHSLNPE	LESSTSLDSN
hTRAIN_1		CGEFSDAWPL		CGEFSDAWPL	WQNPWGGDNI	SFCDSPYPELT	GEDIHSLNPE	LESSTSLDSN
hTRADEbeta_1		CGEFSDAWPL		CGEFSDAWPL	WQNPWGGDNI	SFCDSPYPELA	GEDIHSLNPE	LESSTSLDSN
hapo420pep		CGEFSDAWPL		CGEFSDAWPL	WQNPWGGDNI	SFCDSPYPELT	GEDIHSLNPE	LESSTSLDSN
Consensus		CGEFSDAWPL		CGEFSDAWPL	WQNPWGGDNI	SPCDSPYPELT	GEDIHSLNPE	LESSTSLDSN
hTRADEalpha_	351	SSQDLVGGAV	400	SSQDLVGGAV	PVQSHSENF	AATDLSRYNN	TLVESASTQD	ALTWRSQLDQ
hTRAIN_1		SSQDLVGGAV		SSQDLVGGAV	PVQSHSENF	AATDLSRYNN	TLVESASTQD	ALTWRSQLDQ
hTRADEbeta_1		SSQDLVGGAV		SSQDLVGGAV	PVQSHSENF	AATDLSRYNN	TLVESASTQD	ALTWRSQLDQ
hapo420pep		SSQDLVGGAV		SSQDLVGGAV	PVQSHSENF	AATDLSRYNN	TLVESASTQD	ALTWRSQLDQ
Consensus		SSQDLVGGAV		SSQDLVGGAV	PVQSHSENF	AATDLSRYNN	TLVESASTQD	ALTWRSQLDQ
hTRADEalpha_	401	ESGAIHPAT	423	ESGAIHPAT	QTSLOEA~~~	~~~		
hTRAIN_1		ESGAVIHPAT		ESGAVIHPAT	QTSLOEA~~~	~~~		
hTRADEbeta_1		ESGAIHPAT		ESGAIHPAT	QTSLOVRQRL	GSL		
hapo420pep		ESGAVIHPAT		ESGAVIHPAT	QTSLOVRQRL	GSL		
Consensus		ESGA-IHPAT		ESGA-IHPAT	QTSLO--QRL	GSL		



APPROVED	D.G. FIG.	
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FIG. 2

TRADE- $\alpha$   
TRADE- $\beta$

	ESGAI	IHPAT	QTS	LQEA	
	ESGAI	IHPAT	QTS	LQVR	QRLGSL
401				416	423

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## FIG. 3

### CRD1

NGFRp75	CPTGLYT.H	SGEC..CKAC	NLGEGVAQPC	..G.ANQTVC
OX40	CGDTYP..S	NDRC..CHEC	RPGNGMVSRC	..SRSQNTVCR
CD40	CREKQYL.L	NSQC..CSLC	QPGQKLVSDC	..TEFTETECL
TRADE	CRQQEFRDR	SGNCVPCNQC	GPGMELSKEC	GFGYGEDAQCV

### CRD2

NGFRp75	PCLDSVTFS	DVVSATEPCK	PCTECVGLQS	MSAP...C	VE	ADDAVC
OX40	PC..GPGFY	NDVVSSKPCK	PCTWC.NLRS	GSEKQLCTA	TQDTV	C
CD40	PCGES.EFL	DTWNRETHCH	QHKYCDPNLG	LRVQQKGTSE	T.DTIC	
TRADE	TCRLHR.FK	EDWGFQK.CK	PCLDCAVVN.	.RFQKANC	SA	TSDAIC

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APPROVED	O.C. FIG.	
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FIG. 4

SEQ ID NO: 2	HUMAN	TRADE $\alpha$	MALKVLLLEQEKTFETLLVLLGYLSCKVTCESGDCRQQEFRRDRSGNCVPCN	CDR1	50
SEQ ID NO: 6	MOUSE	TRADE	MALKVLLPLHRTVLEFAAILFLHLACKVSCETGDCRQQEFRRDRSGNCVLCCK	CDR2	50
SEQ ID NO: 2	HUMAN	TRADE $\alpha$	QCGPGMELSKCEGFGYGEDAQCVCRLHRFKEDWGFKCKPCLCDCAVVNR		100
SEQ ID NO: 6	MOUSE	TRADE	QCGPGMELSKCEGFGYGEDAQCVCPRPHRFKEDWGFKCKPCADCALVNR		100
SEQ ID NO: 2	HUMAN	TRADE $\alpha$	FQKANCSTSDAICGDCCLPGFYRKTKLVGFQDMCEVPCGDP PPPYPHCA		150
SEQ ID NO: 6	MOUSE	TRADE	FQKANCSTSDAVCGDCCLPGFYRKTKLVGFQDMCEVPCGDP PPPYPHCT		150
SEQ ID NO: 2	HUMAN	TRADE $\alpha$	SKVNLVKIATSTASSPRDTALAAVICSALATVLLALLILCVYCKRQFMEK	TM	200
SEQ ID NO: 6	MOUSE	TRADE	SKVNLVKISSTASSPRDTALAAVICSALATVLLALLILCVYCKRQFMEK		200
SEQ ID NO: 2	HUMAN	TRADE $\alpha$	KPSWSLRSQDIQYNGSELSCFDRPDIHEYAHRACCQCRDRSVQTCGPVRL		250
SEQ ID NO: 6	MOUSE	TRADE	KPSWSLRSQDIQYNGSELSCFDQPRLRHCAHRACCQYHRDSPA MYGPVHL		250
SEQ ID NO: 2	HUMAN	TRADE $\alpha$	IPSMCCEEACSPNPATLGCCHVHSAASLQARNAGPAGEMVPTFFGSLTQSI		300
SEQ ID NO: 6	MOUSE	TRADE	IPSLCCEEARSARAVLGCGLRSPITLQERNPASVGDTPAFFGVSRSI		300
SEQ ID NO: 2	HUMAN	TRADE $\alpha$	CGEFSDAWPLMQNPMGGDNISFCDSYPELTGEDIHSLNPELESSTSLDSN		350
SEQ ID NO: 6	MOUSE	TRADE	CAEFSDAWPLMQNPLGGDS-SLCDSYPELTGEDTNSLNPENES AASLDS\$		349
SEQ ID NO: 2	HUMAN	TRADE $\alpha$	SSQDLMGGAVPVQSHSENFTAAATDLSRYNNITLVEASATQDALTMRSQLDQ		400
SEQ ID NO: 6	MOUSE	TRADE	GGQDLAGTAALAESGNGVSESTDSPRHGDTGTVMETLTAQDAQRTPSQSGW		399
SEQ ID NO: 2	HUMAN	TRADE $\alpha$	ESGAVTHPATQTSIQEA		417
SEQ ID NO: 6	MOUSE	TRADE	EDRENLIAMPFAFQDA		416

FIG. 5A

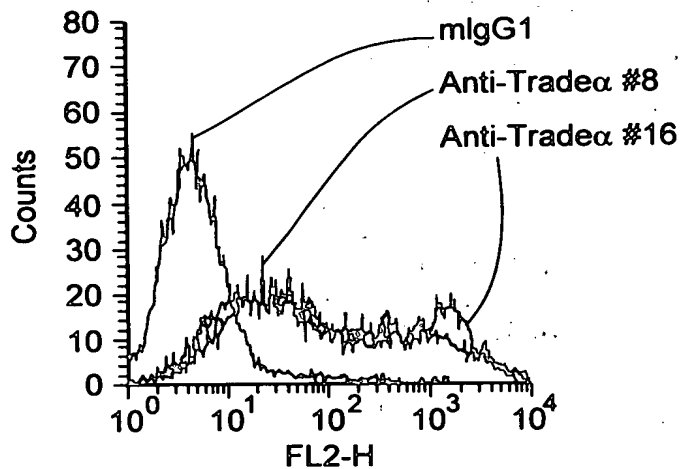


FIG. 5B

mAb # 8

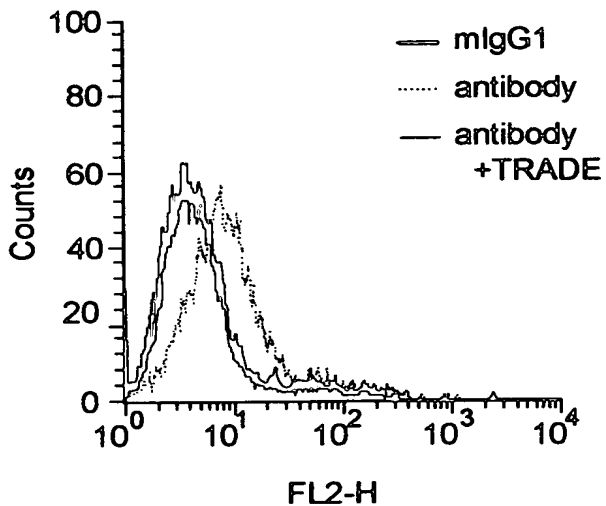
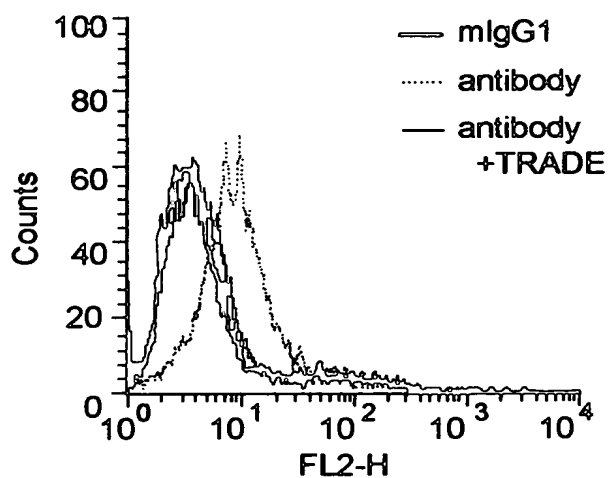


FIG. 5C

mAb#16



APPROVED	O.G. FIG.	
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FIG. 6A

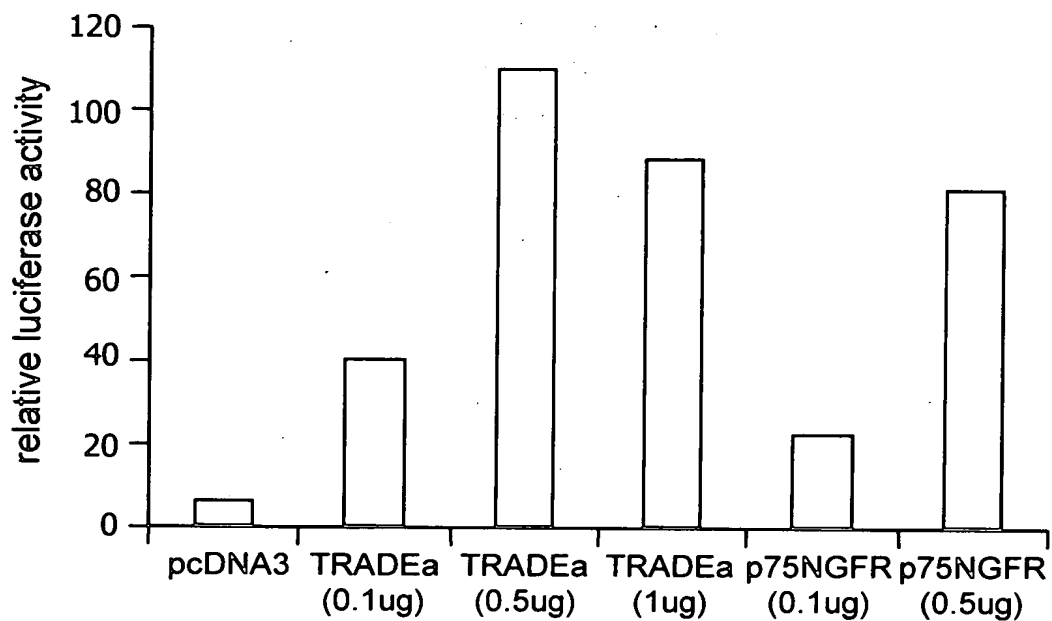
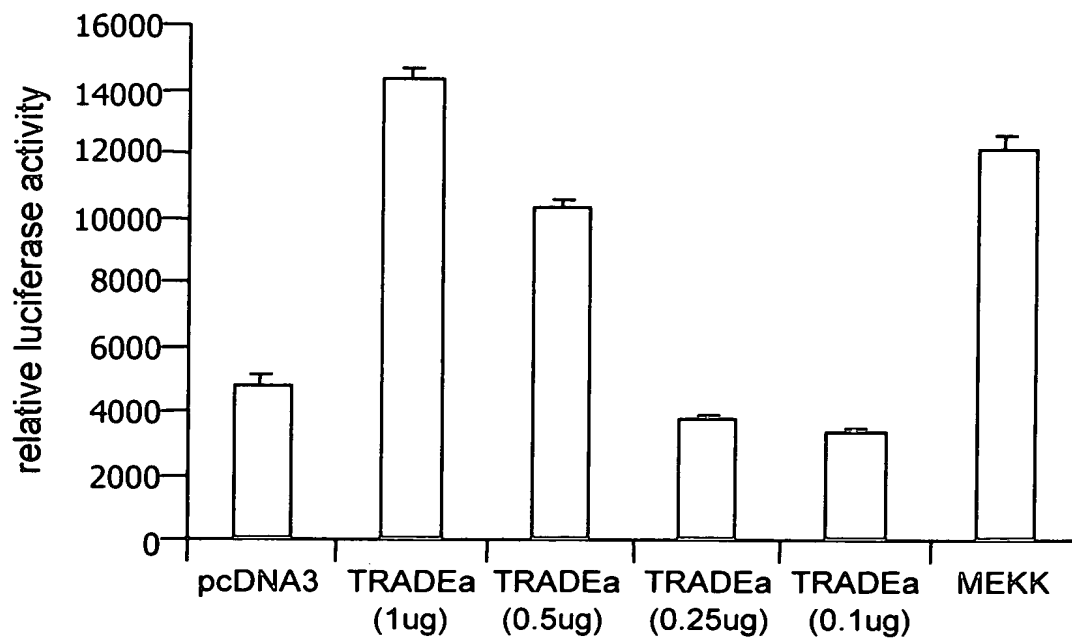


FIG. 6B



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 7A

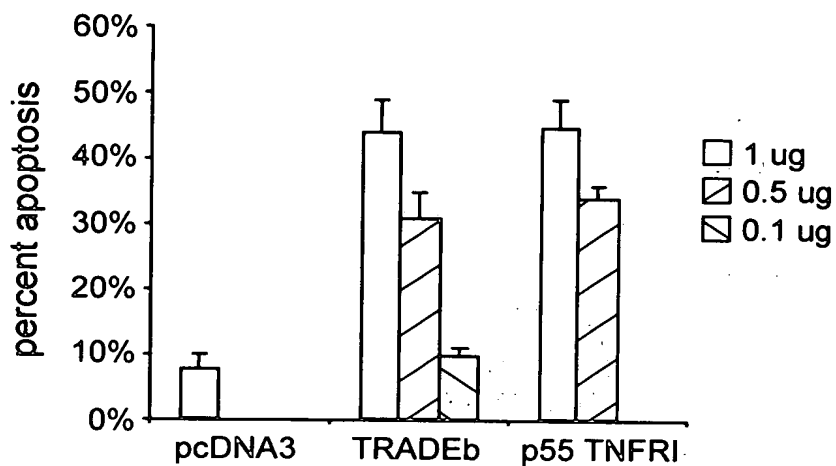
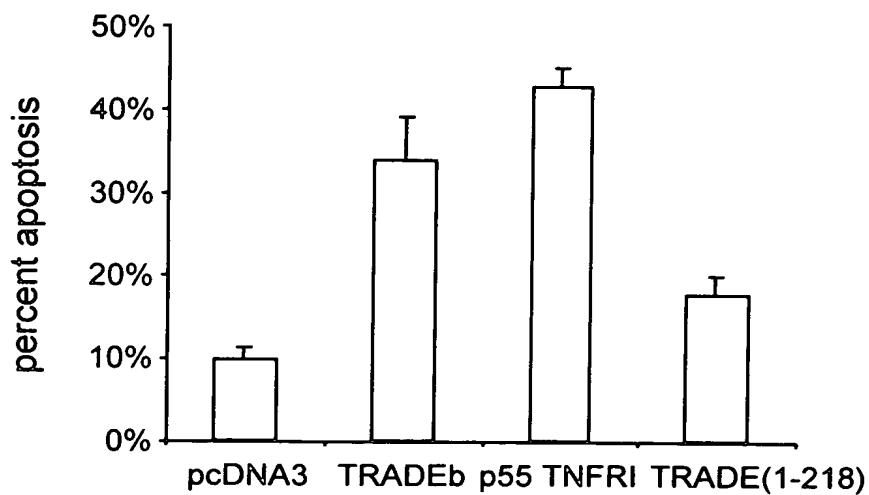


FIG. 7B



APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
DRAFTSMAN		

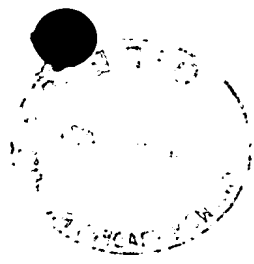
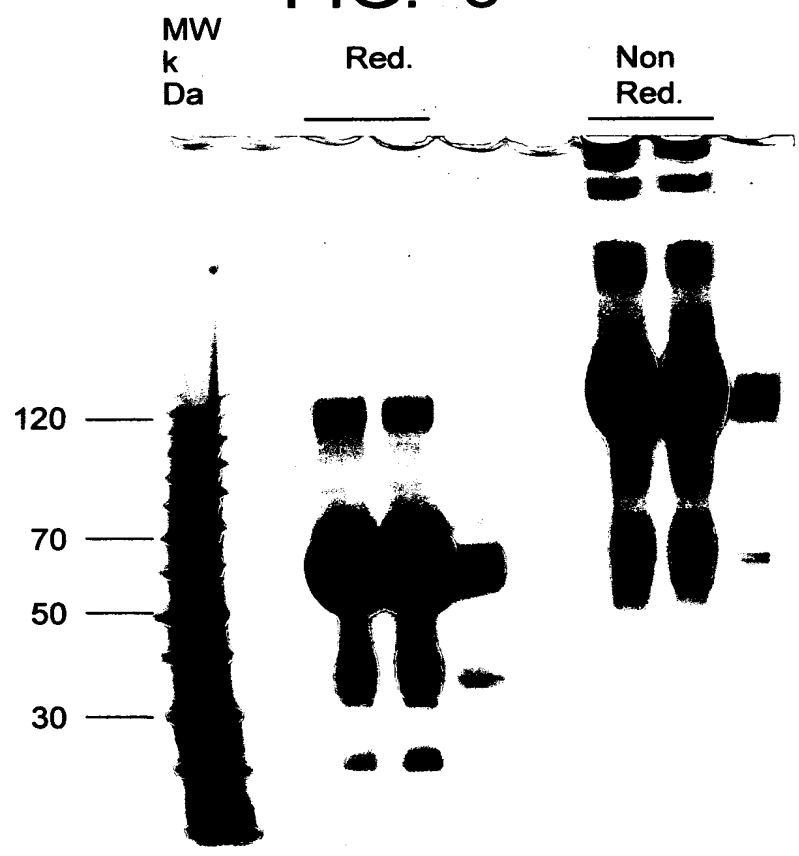


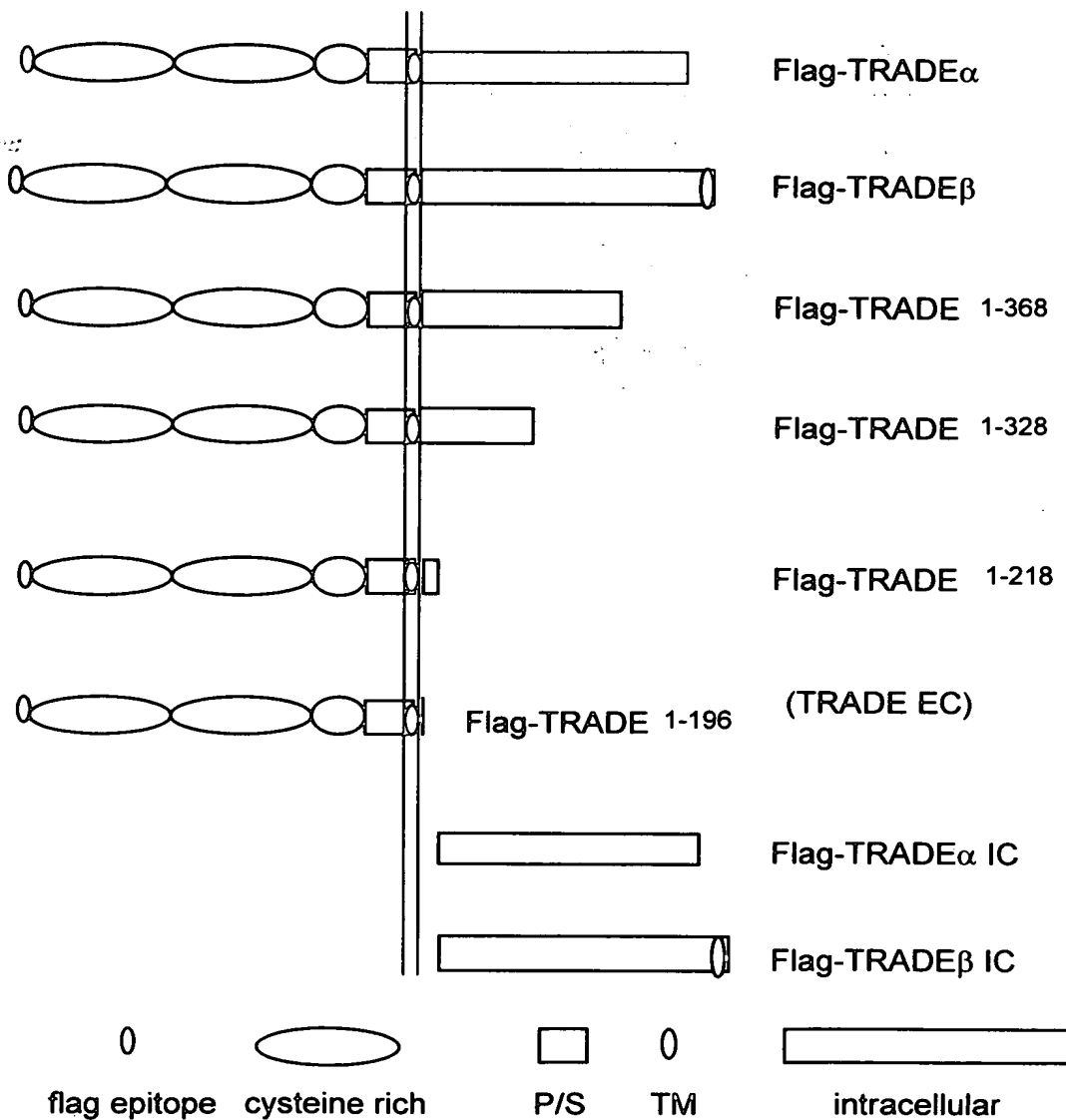
FIG. 8



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APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 9

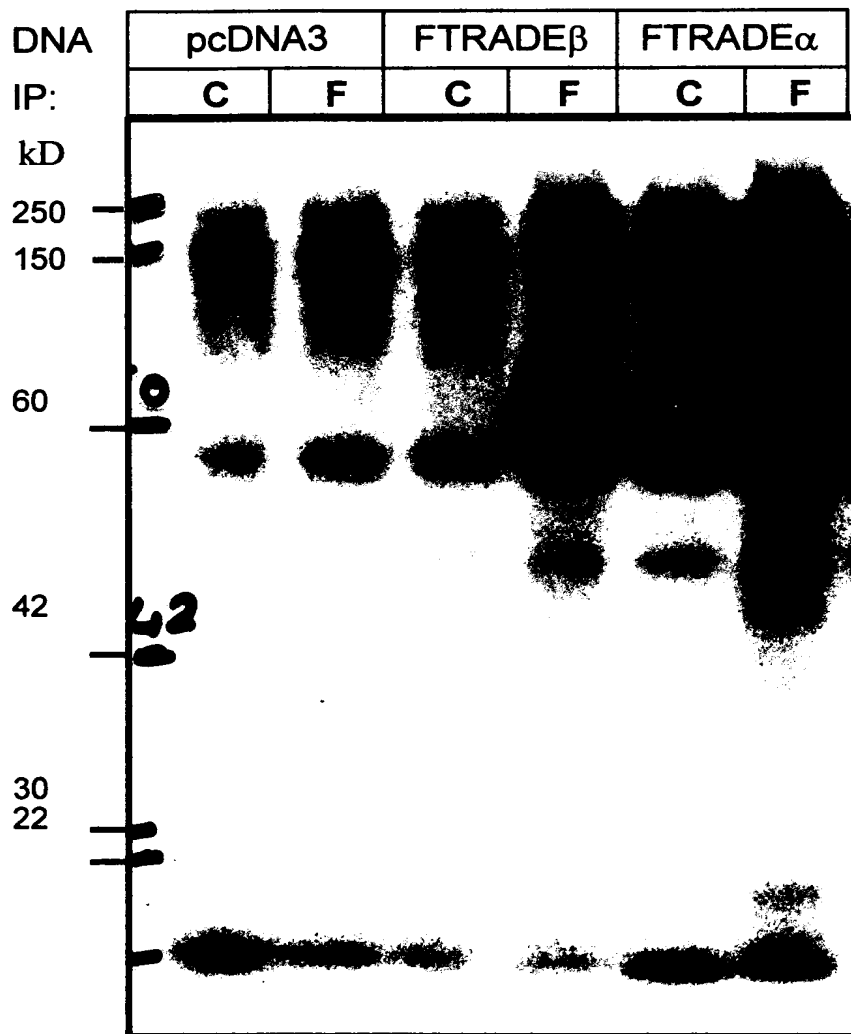


Deletion analysis

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 10



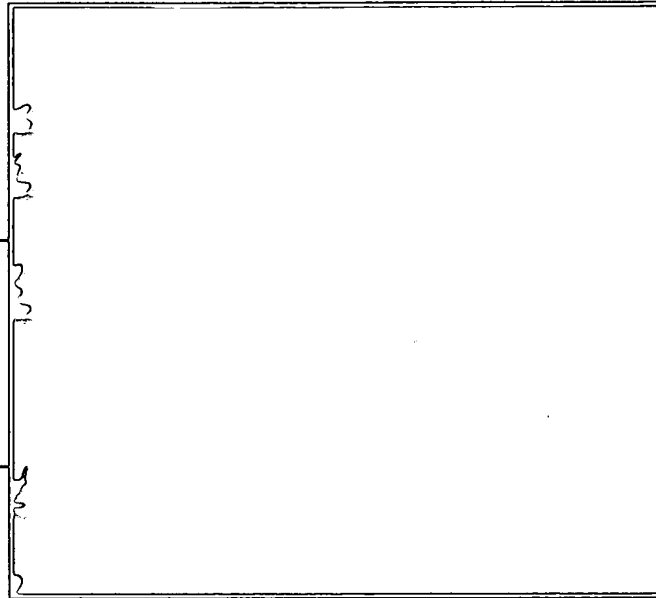
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105070-25503/50

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 11A

IP:

F-TRADE $\beta$		F-TRADE <sup>1-328</sup>		F-TRADE <sup>1-368</sup>	
C	F	C	F	C	F

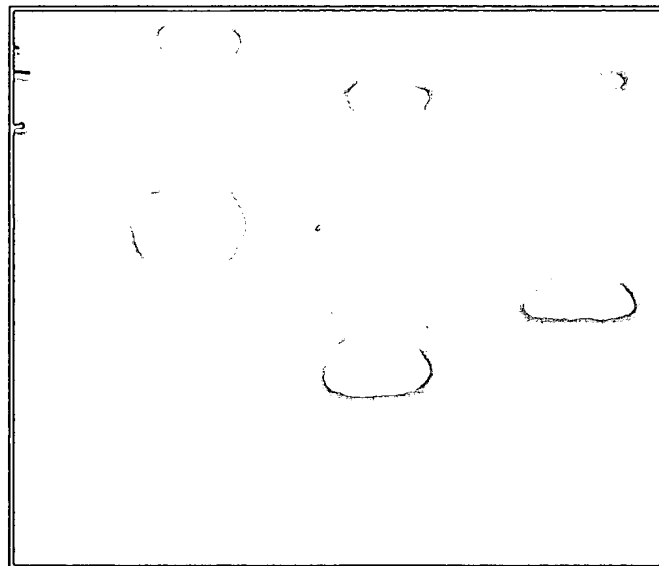


Kinase assay

FIG. 11B

IP:

F-TRADE $\beta$		F-TRADE <sup>1-328</sup>		F-TRADE <sup>1-368</sup>	
C	F	C	F	C	F



anti-Flag blot

FIG. 11A 25602/50

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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FIG. 12A

HA-TRAF6( $\Delta$ N) +

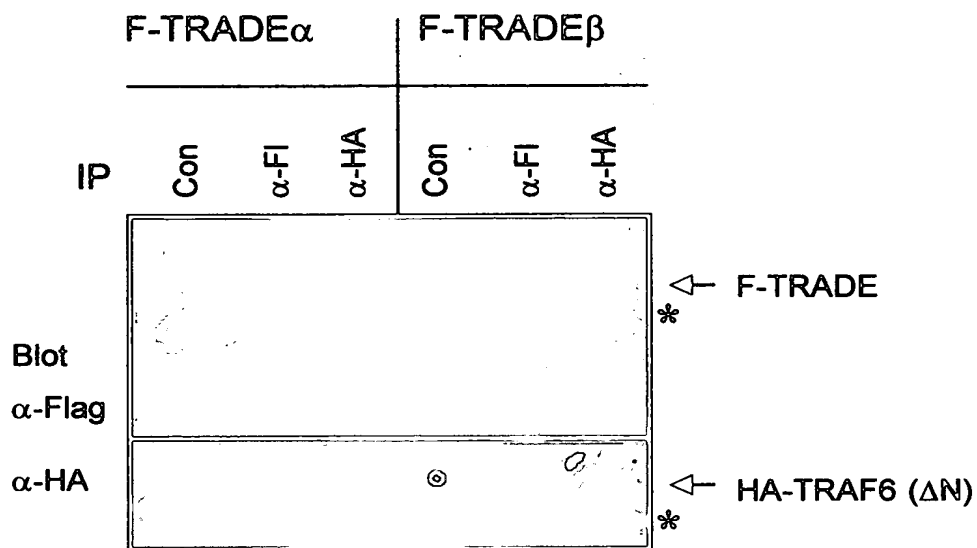
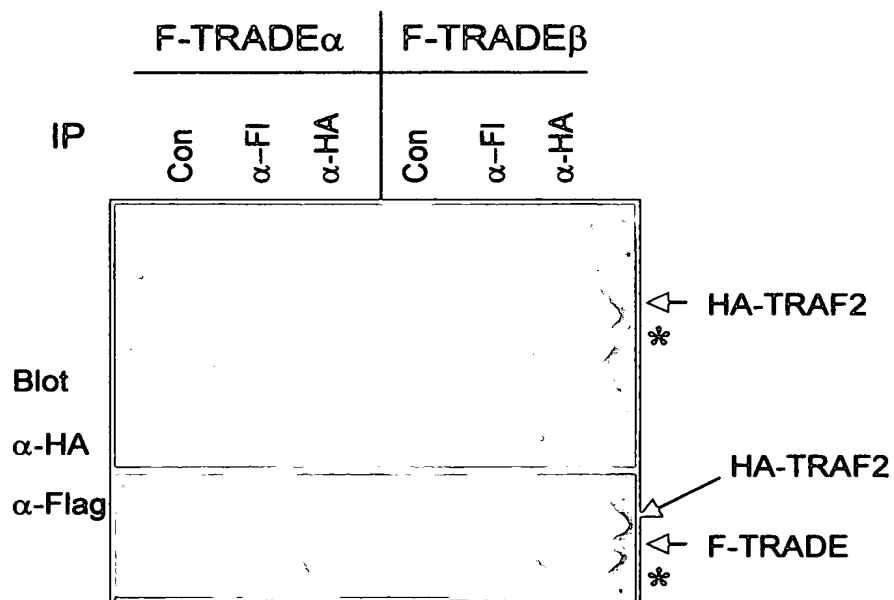


FIG. 12B

HA-TRAF2 +



APPROVED	O.G. FIG.	
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FIG. 13

HA-TRAF3+

F-TRADE

F-TRADE(1-218)

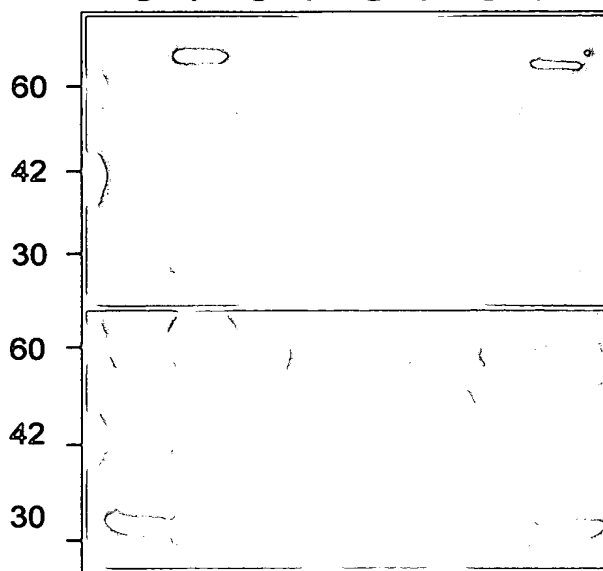
F-TRADE(1-328)

F-TRADE(1-368)

+							
	+						
		+					
			+				
C	F	C	F	C	F	C	F

IP

← HA-TRAF3



Blot:anti-HA

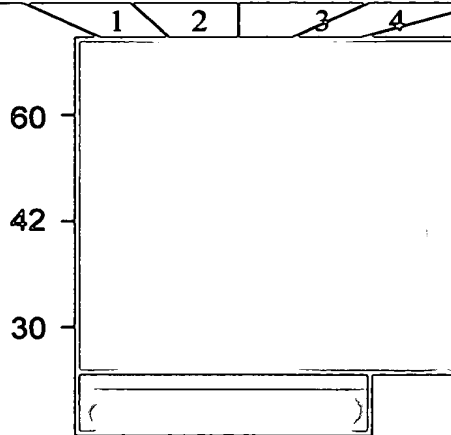
← F-TRADE

← F-TRADE(1-368)

← F-TRADE(1-328)

← F-TRADE(1-218)

Blot:anti-Flag



← F-TRADE

← F-TRADE(1-368)

← F-TRADE(1-328)

IP:anti-HA

Blot:anti-Flag

Blot:anti-HA

HA-TRAF3

FIG. 13

FIG. 14A

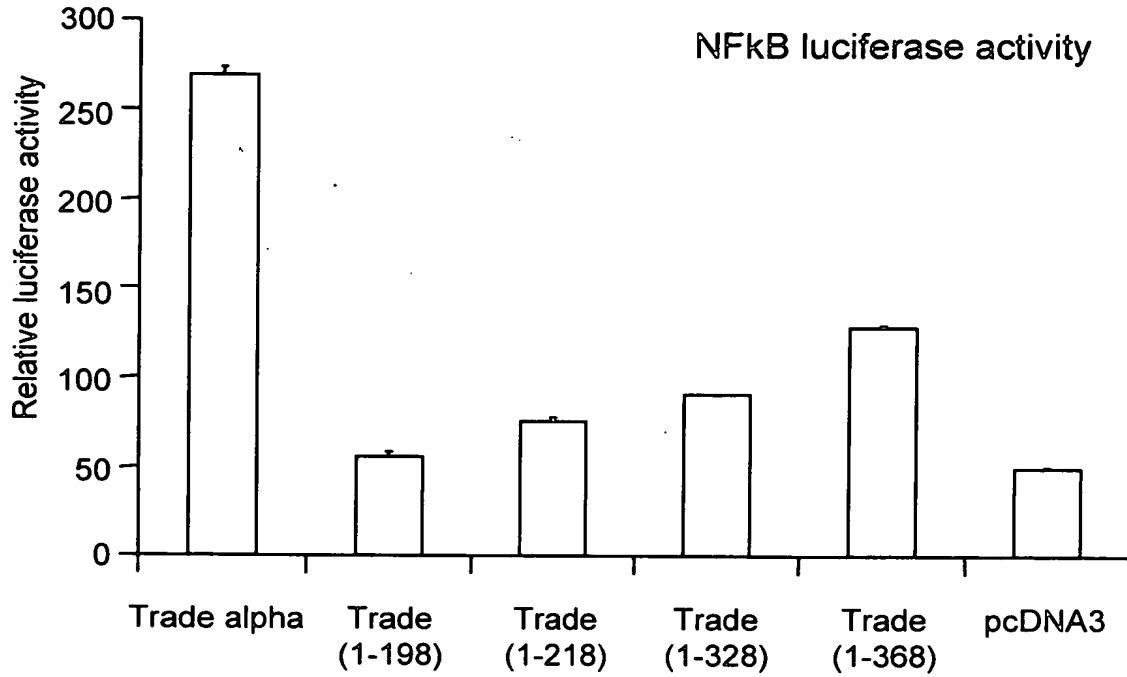


FIG. 14B

